

Anti-Indoleamine 2, 3-dioxygenase antibody [EPR1230Y] - Low endotoxin, Azide free ab224262

敲除验证
重组
RabMAb

[2 References](#)
[3 图像](#)

概述

产品名称	Anti-Indoleamine 2, 3-dioxygenase抗体[EPR1230Y] - Low endotoxin, Azide free
描述	兔单克隆抗体[EPR1230Y] to Indoleamine 2, 3-dioxygenase - Low endotoxin, Azide free
宿主	Rabbit
经测试应用	<p>适用于: WB</p> <p>不适用于: Flow Cyt, ICC/IF, IHC-P or IP</p>
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Wild-type A549 Treated IFN gamma, SK-OV-3 and HeLa treated with 10ng/ml IFN-gamma for 24 hours whole cell lysate.
常规说明	<p>ab224262 is the carrier-free version of ab76157.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Our Low endotoxin, azide-free formats have low endotoxin level (≤ 1 EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional</p>

assays.

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	pH: 7.2 Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR1230Y
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab224262于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

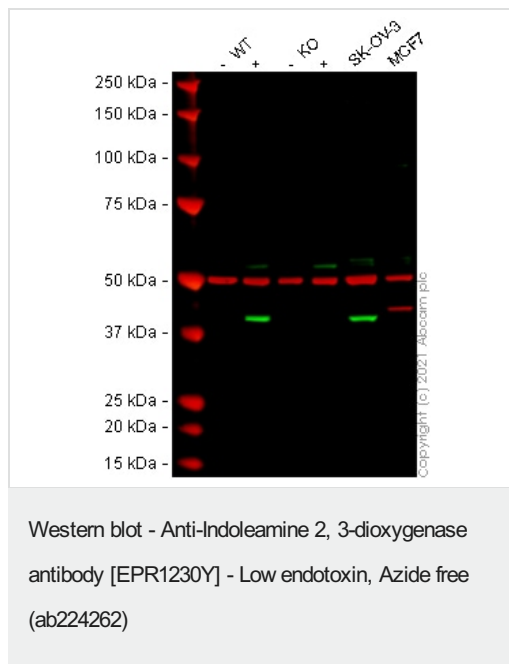
应用	Ab评论	说明
WB		Use at an assay dependent concentration. Detects a band of approximately 45 kDa (predicted molecular weight: 45 kDa).

应用说明 Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

靶标

功能	Catalyzes the cleavage of the pyrrol ring of tryptophan and incorporates both atoms of a molecule of oxygen.
通路	Amino-acid degradation; L-tryptophan degradation via kynurenine pathway; L-kynurenine from L-tryptophan: step 1/2.
序列相似性	Belongs to the indoleamine 2,3-dioxygenase family.

图片



All lanes : Anti-Indoleamine 2, 3-dioxygenase antibody

[EPR1230Y] ([ab76157](#)) at 1/2500 dilution

Lane 1 : Wild-type A549 Vehicle Control IFN gamma (0 ng/ml, 48 h) cell lysate

Lane 2 : Wild-type A549 Treated IFN gamma (25 ng/ml, 48 h) cell lysate

Lane 3 : IDO1 knockout A549 Vehicle Control IFN gamma (0 ng/ml, 48 h) cell lysate

Lane 4 : IDO1 knockout A549 Treated IFN gamma (25 ng/ml, 48 h) cell lysate

Lane 5 : SK-OV-3 cell lysate

Lane 6 : MCF7 cell lysate

Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 45 kDa

Observed band size: 40 kDa

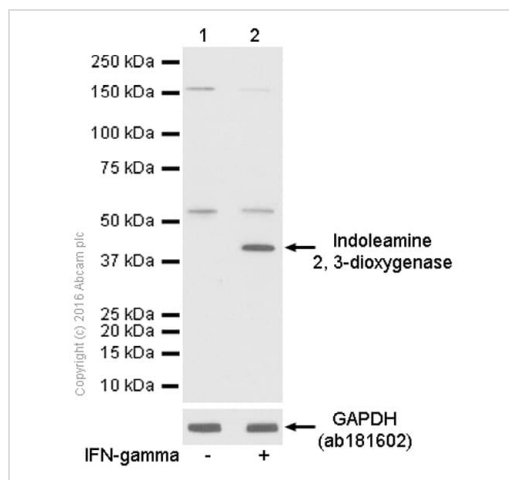
This data was developed using the same antibody clone in a different buffer formulation ([ab76157](#)).

L

Lanes 1 - 6: Merged signal (red and green). Green - [ab76157](#) observed at 40 kDa. Red - loading control [ab7291](#) (Mouse anti-Alpha Tubulin [DM1A]) observed at 55 kDa.

[ab76157](#) was shown to react with Indoleamine 2, 3-dioxygenase in treated wild-type A549 cells in Western blot with loss of signal observed in treated IDO1 knockout cell line [ab266949](#) (IDO1 knockout cell lysate [ab256948](#)). Wild-type A549 and IDO1 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3 % milk in TBS-T (0.1 % Tween®) before incubation with [ab76157](#) and [ab7291](#) (Mouse anti-Alpha Tubulin [DM1A]) overnight at 4 °C at a 1 in 2500 dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed ([ab216773](#)) and Goat anti-Mouse

IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 h at room temperature before imaging.



Western blot - Anti-Indoleamine 2, 3-dioxygenase antibody [EPR1230Y] - Low endotoxin, Azide free (ab224262)

Lane 1 : Anti-Indoleamine 2, 3-dioxygenase antibody [EPR1230Y] (**ab76157**) at 1/1000 dilution

Lane 2 : Anti-Indoleamine 2, 3-dioxygenase antibody [EPR1230Y] (**ab76157**) at 1/1000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : HeLa (Human cervix adenocarcinoma epithelial cell) treated with 10ng/ml IFN-gamma for 24 hours whole cell lysate

Lysates/proteins at 15 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 45 kDa

The expression of Indoleamine 2, 3-dioxygenase can be upregulated by IFN-gamma (PMID: 29685162). We are unsure how to define the extra bands.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Indoleamine 2, 3-dioxygenase antibody [EPR1230Y] - Low endotoxin, Azide free (ab224262)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors